

ABSTRACT OF THE DISCLOSURE

A double valve is constructed from first and second unitary valve assemblies each having a respective inlet port, a respective outlet port, a respective exhaust port, a respective first cross-mirror port, and a respective second cross-mirror port. A first plate is coupled to the first and second unitary valve assemblies and includes respective passages to provide a common inlet port coupled to the respective inlet ports of the first and second unitary valve assemblies, a common outlet port coupled to the respective outlet ports of the first and second unitary valve assemblies, and a common exhaust port coupled to the respective exhaust ports of the first and second unitary valve assemblies. A second plate is coupled to the first and second unitary valve assemblies providing a first cross-connection between the first cross-mirror port of the first unitary valve body and the second cross-mirror port of the second unitary valve body, and providing a second cross-connection between the second cross-mirror port of the first unitary valve body and the first cross-mirror port of the second unitary valve body.